

**KOPEL® KP3768**

TPE

Kolon Industries

| <b>Processing/Physical Characteristics</b> | <b>Value</b>  | <b>Unit</b> | <b>Test Standard</b> |
|--|---------------|-------------|----------------------|
| <b>ASTM Data</b>                           |               |             |                      |
| Melt Flow Index, MFI                       | <b>34</b>     | g/10min     | ASTM D 1238          |
| Temperature                                | <b>240</b>    | °C          | -                    |
| Load                                       | <b>2.16</b>   | kg          | -                    |
| Mold Shrinkage, MD                         | <b>0.0163</b> | mm/mm       | ASTM D 955           |

| <b>Mechanical properties</b>         | <b>Value</b> | <b>Unit</b>    | <b>Test Standard</b> |
|--------------------------------------|--------------|----------------|----------------------|
| <b>ASTM Data</b>                     |              |                |                      |
| Tensile Strength                     | <b>37</b>    | MPa            | ASTM D 638           |
| Flexural Modulus                     | <b>667</b>   | MPa            | ASTM D 790           |
| Shore D Hardness                     | <b>68</b>    | -              | ASTM D 2240          |
| Taber Abrasion Resistance            | <b>70</b>    | mg/1000 cycles | ASTM D 1044          |
| Izod Impact notched, 1/8 in          | <b>128</b>   | J/m            | ASTM D 256           |
| Izod Impact notched, Low-Temperature | <b>78</b>    | J/m            | ASTM D 256           |
| Temperature                          | <b>-40</b>   | °C             | -                    |

| <b>Thermal properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>          |              |             |                      |
| UL 94 Flame rating        | <b>HB</b>    | -           | UL 94                |
| Melting Temperature       | <b>219</b>   | °C          | ASTM D 3418          |

| <b>Other properties</b>       | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------------|--------------|-------------------|----------------------|
| Water Absorption, Equilibrium | <b>0.3</b>   | %                 | ASTM D 570           |
| Density                       | <b>1250</b>  | kg/m <sup>3</sup> | ASTM D 792           |

**Characteristics****Regional Availability**

North America, Asia Pacific